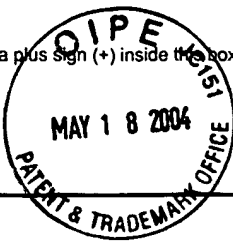


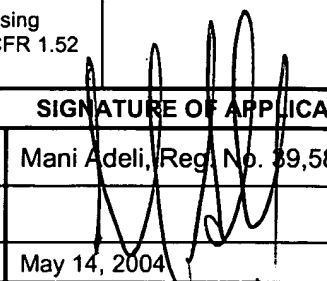
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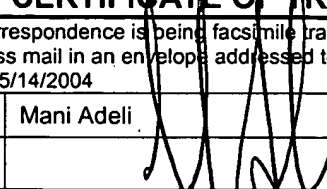


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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/066,095
	Filing Date	1/31/2002
	First Named Inventor	Steven Teig, et al.
	Group Art Unit	3628
	Examiner Name	Chencinski, S.
Total Number of Pages in This Submission	Attorney Docket Number	SPLX.P0074

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig, et al.

Serial No.: 10/066,095

Filing Date: 1/31/2002

For: METHOD AND APPARATUS FOR
IDENTIFYING A SET OF PATHS

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This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to

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Respectfully submitted,

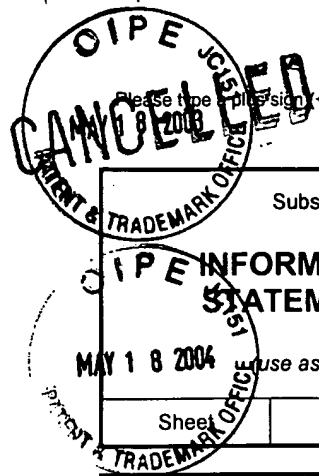
By: _____

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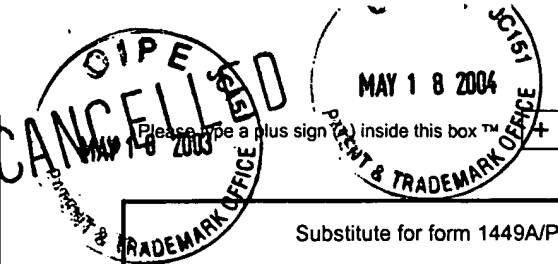
Substitute for form 1449A/PTO				Application Number	10/066,095
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	3628
				Examiner Name	Chencinski, S.
Sheet	1	of	9	Attorney Docket Number	SPLX.P0074

U.S. PATENT APPLICATIONS						
Examiner* Initials	Cite No. ¹	U.S. Patent Application		Name of Patentee or Applicant of Cited Document	Date of Filing MM-DD-YYYY	Related Application Data if any
		Serial Number	Attorney Docket Number			
	1.	10/066,060	SPLX.P0072	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	2.	10/066,160	SPLX.P0073	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	3.	10/066,047	SPLX.P0078	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	4.	10/061,641	SPLX.P0079	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	5.	10/066,094	SPLX.P0080	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	6.	10/076,121	SPLX.P0081	Steven Teig et al.	02-12-2002	CIP of 10/066,094.
	7.	10/062,995	SPLX.P0105	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	8.	10/066,102	SPLX.P0106	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	9.	10/066,187	SPLX.P0133	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
	10.	10/286,584	CDN.P0037	Steven Teig	10-31-2002	
	11.	10/335,087	CDN.P0038	Steven Teig et al.	12-31-2002	
	12.	10/335,239	CDN.P0039	Steven Teig et al.	12-31-2002	

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				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	3628
				Examiner Name	Chencinski, S.
Sheet	2	of	9	Attorney Docket Number	SPLX.P0074
U.S. PATENT APPLICATIONS					
	13.	10/335,086	CDN.P0040	Steven Teig et al.	12-31-2002

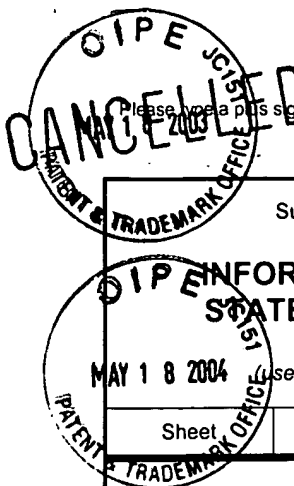
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Examiner* Initials	Cite No. ¹	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
	14.	JP	11-296560		10-29-1999	Matsumoto et al.	with English translation of Abstract;	
	15.	JP	2000-082743		03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	16.	JP	64-15947		01-19-1989	Ouchi	with English translation of Abstract;	
	17.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	18.	JP	04-000677		01-06-1992	Fujiwara et al.	with English translation of Abstract;	
	19.	JP	05-102305		04-23-1993	Sato	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	20.	JP	05-243379		09-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract;	√

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				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	3628
				Examiner Name	Chencinski, S.
				Attorney Docket Number	SPLX.P0074
Sheet	3	of	9		

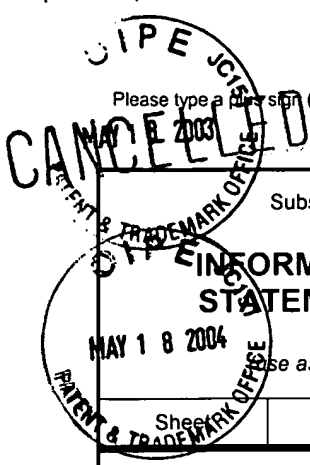
FOREIGN PATENT DOCUMENTS							
						and with English translation of the application.	
21.	JP	07-086407		03-31-1995	Miura	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
22.	JP	09-162279		06-20-1997	Yoshida	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√

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	23.	Chen, H.F. et al., A Faster Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 15, No. 2, February 1996, pp. 217-227.				
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	26.	Dayan, T., Rubber-Band Based Topological Router, A Dissertation, UC Santa Cruz, June 1997.				
	27.	Dood, P. et al. A Two-Dimensional Topological Compactor with Octagonal Geometry, 28 th ACM/IEEE Design Automation Conference, pp 727-731, July 1991.				

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Substitute for form 1449A/PTO			Application Number	10/066,095
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Filing Date	1/31/2002
			First Named Inventor	Steven Teig et al.
			Group Art Unit	3628
			Examiner Name	Chencinski, S.
Sheet 4 of 9			Attorney Docket Number	SPLX.P0074

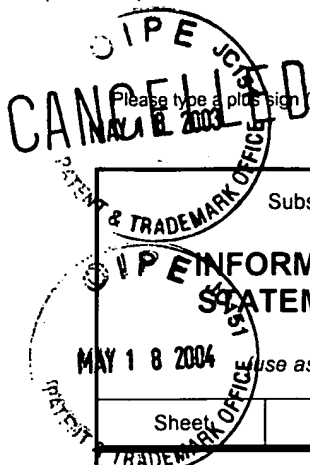
NON PATENT LITERATURE DOCUMENTS

28.	Fujimura, K. et al, Homotopic Shape Deformation.	
29.	Hama, T. et al., Curvilinear Detailed Routing Algorithm and its Extension to Wire-Spreading and Wire-Fattening.	
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31.	Kobayashi, K. et al., A New Interactive Analog Layout Methodology based on Rubber-Band Routing, UCSC-CRL-96-12, June 13, 1996.	
32.	Lim, A. et al, A Fast Algorithm To Test Planar Topological Routability, Technical Report 94-012, pp. 1-16.	
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✓ 38.	Staepelaere, D. et al., Surf: A Rubber-Band Routing System for Multichip Modules, pp 18-26, 1993.	
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✓ 42.	Xing, Z. et al., Shortest Path Search Using Tiles and Piecewise Linear Cost Propagation, IEEE, 2002, pp.145-158.	

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Substitute for form 1449A/PTO				Application Number	10/066,095
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	3628
				Examiner Name	Chencinski, S.
Sheet	5	of	9	Attorney Docket Number	SPLX.P0074

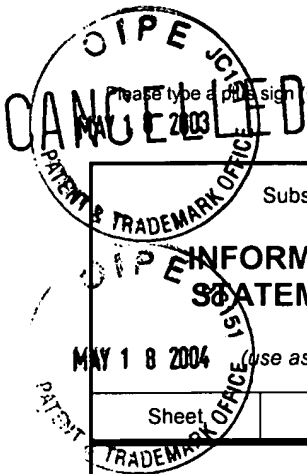
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<input checked="" type="checkbox"/>	43.	Xu, A More Efficient Distance Vector Routing Algorithm, UCSC-CRL-96-18, March 1997.	
<input checked="" type="checkbox"/>	44.	Yu, M.-F. et al., Fast and Incremental Routability Check of a Topological Routing Using a Cut-Based Encoding, UCSC-CRL-97-07, April 14, 1997.	
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<input checked="" type="checkbox"/>	46.	Yu, M.-F. et al., Pin Assignment and Routing on a Single-Layer Pin Grid Array, UCSC-CRL-95-15, February 24, 1995.	
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<input checked="" type="checkbox"/>	48.	Yu, M.-F. et al., Single-Layer Fanout Routing and Routability Analysis for Ball Grid Arrays, UCSC-CRL-95-18, April 25, 1995.	
<input checked="" type="checkbox"/>	49.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
<input checked="" type="checkbox"/>	50.	Alexander, M. et al., Performance-Oriented Placement and Routing for field-programmable gate arrays, Proceedings of the European Design Automation Conference, pages 80-85, 1995.	
<input checked="" type="checkbox"/>	51.	Alexander, M. et al., Placement and Routing for Performance-Oriented FPGA Layout, VLSI Design, Vol. 7, No. 1, 1998.	
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<input checked="" type="checkbox"/>	53.	Bagga, J. et al., Internal, External, and Mixed Visibility Edges of Polygons.	
<input checked="" type="checkbox"/>	54.	Berger, B. et al., Nearly Optimal Algorithms and Bounds for Multilayer Channel Routing, Journal of the Association for Computing Machinery, pp. 500-542, March 1995.	
<input checked="" type="checkbox"/>	55.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp.926-931.	
<input checked="" type="checkbox"/>	56.	Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.	
<input checked="" type="checkbox"/>	57.	Chen, D-S. et al., A Wire-Length Minimization Algorithm for Single-Layer Layouts	

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First Named Inventor

Steven Teig et al.

Group Art Unit

3628

Examiner Name

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Attorney Docket Number

SPLX.P0074

NON PATENT LITERATURE DOCUMENTS

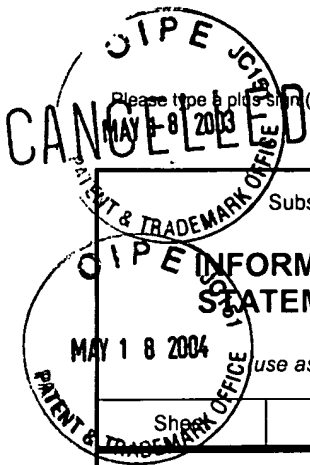
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Group Art Unit	3628
Examiner Name	Chencinski, S.
Attorney Docket Number	SPLX.P0074

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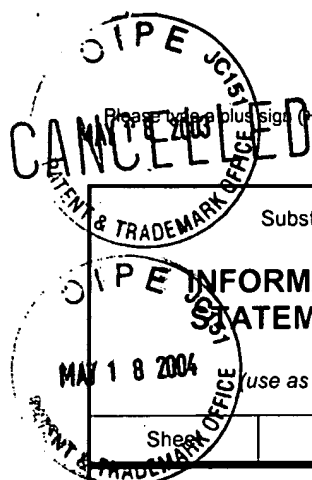
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